

ABSTRACT

A method and system for providing an optical circulator is disclosed. The optical circulator includes a first port, a second port and a third port adjacent to the first port. The optical circulator also includes a first birefringent material, a first rotator pair, a polarization beam deflector, a second birefringent material, a second rotator pair and a third birefringent material. The first birefringent material is optically coupled to the first port and the third port and has a longitudinal axis, a transverse direction perpendicular to the longitudinal axis, and a first displacement direction. The polarization beam deflector changes the direction of the optical signal without introducing a walk-off in the optical signal. The first displacement direction is at a first oblique angle from the transverse direction. The third birefringent material has the longitudinal axis, the transverse direction perpendicular to the longitudinal axis, and a third displacement direction at a second oblique angle from the transverse direction.